

**AMENDMENTS TO THE CLAIMS:**

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

1. (Currently amended) A grey glass comprising:  
a base glass portion comprising:

Ingredient	wt. %
SiO <sub>2</sub>	67 – 75 %
Na <sub>2</sub> O	10 – 20 %
CaO	5 – 15 %
MgO	0 – 7 %
Al <sub>2</sub> O <sub>3</sub>	0 – 7 %
K <sub>2</sub> O	0 – 7 %

and a colorant portion consisting essentially of:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.25 to 0.70 %
cerium oxide	0.01 to 1.0 %
selenium	0.00001 to 0.05%
cobalt oxide	0.0001 to 0.05%
titanium oxide	0 to 1.0%

wherein the grey glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.30, a visible transmittance (Lta) of at least 65%, a dominant wavelength in the range of from 435 nm to 570 nm, an excitation purity (Pe) of no greater than 5.0%, an IR transmittance (%IR) of no greater than 35%, a UV transmittance (%UV) of no greater than 40% 42%, and a total solar transmittance (%TS) of no greater than 52%.

2. (Currently amended) The glass of claim 1, wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.34, a visible transmittance (Lta) of at least 70%, an IR transmittance (%IR) of no greater than 30%, ~~and a UV transmittance (%UV) of no greater than 40%.~~

3. (Original) The glass of claim 2, wherein said dominant wavelength and excitation purity are measured at a nominal thickness of the glass of anywhere from 3 mm to 4 mm, and wherein the glass has a dominant wavelength of from 480 to 520 nm and an excitation purity (Pe) of no greater than 3.0%.

4. (Original) The glass of claim 1, wherein the glass is substantially free of nickel and chromium.

5. (Original) The glass of claim 1, wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.38.

6. (Original) The glass of claim 1, wherein the glass has a %TS of no greater than 50%.

7. (Original) The glass of claim 1, wherein said colorant portion consists essentially of:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.3 to 0.6 %
cerium oxide	0.05 to 0.75 %
selenium	0.00005 to 0.005%
cobalt oxide	0.0005 to 0.01%
titanium oxide	0 to 0.75%.

8. (Original) The glass of claim 1, wherein the glass has a visible transmission Lta of at least about 70%.
9. (Original) The glass of claim 1, wherein said colorant portion consists essentially of:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.35 to 0.55 %
cerium oxide	0.10 to 0.60 %
selenium	0.0001 to 0.0009%
cobalt oxide	0.001 to 0.004%
titanium oxide	0.05 to 0.6%.
10. (Original) The glass of claim 1, wherein the glass has a %IR of no greater than 29%.
11. (Original) The glass of claim 1, wherein the glass has a %IR of no greater than 29% and a %TS of no greater than 49%.
12. (Original) The glass of claim 1, wherein the glass has a color characterized as follows when measured according to Ill. D65, 10 degree observer:

a*	from -4 to +1
b*	from -3 to +3
L*	from 80 to 95.

13. (Currently amended) A grey glass comprising:  
a base glass portion comprising:

Ingredient	wt. %
SiO <sub>2</sub>	67 – 75 %
Na <sub>2</sub> O	10 – 20 %
CaO	5 – 15 %
MgO	0 – 7 %
Al <sub>2</sub> O <sub>3</sub>	0 – 7 %
K <sub>2</sub> O	0 – 7 %

and a colorant portion comprising:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.25 to 0.70 %
cerium oxide	0.01 to 1.0 %
selenium	0.00001 to 0.05%
cobalt oxide	0.0001 to 0.05%
titanium oxide	0 to 1.0%

wherein the grey glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.30, a visible transmittance (Lta) of at least 65%, a dominant wavelength in the range of from 435 nm to 570 nm, an excitation purity (Pe) of no greater than 5.0%, an IR transmittance (%IR) of no greater than 35%, a UV transmittance (%UV) of no greater than 40% 42%, and a total solar transmittance (%TS) of no greater than 52%, and wherein the glass is substantially free of nickel.

14. (Original) The glass of claim 13, wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.34, a visible transmittance (Lta) of at least 70%, an IR transmittance (%IR) of no greater than 30%, and a UV transmittance (%UV) of no greater than 40%.

15. (Original) The glass of claim 14, wherein said dominant wavelength and

excitation purity are measured at a nominal thickness of the glass of anywhere from 3 mm to 4 mm, and wherein the glass has a dominant wavelength of from 480 to 520 nm and an excitation purity (Pe) of no greater than 3.0%, and wherein the colorant portion comprises from 0 to 0.3% erbium oxide.

16. (Currently amended) The glass of claim 13, wherein the glass is substantially free of nickel and chromium.

17. (Original) The glass of claim 13, wherein the glass has a redox value ( $\text{FeO}/\text{Fe}_2\text{O}_3$ ) of at least 0.38.

18. (Original) The glass of claim 13, wherein the glass has a %TS of no greater than 50%.

19. (Original) The glass of claim 13, wherein said colorant portion comprises:

total iron (expressed as $\text{Fe}_2\text{O}_3$ )	0.3 to 0.6 %
cerium oxide	0.05 to 0.75 %
selenium	0.00005 to 0.005%
cobalt oxide	0.0005 to 0.01%
titanium oxide	0 to 0.75%.

20. (Original) The glass of claim 13, wherein the glass has a visible transmission Lta of at least about 70%.

21. (Original) The glass of claim 13, wherein said colorant portion

comprises:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.35 to 0.55 %
cerium oxide	0.10 to 0.60 %
selenium	0.0001 to 0.0009%
cobalt oxide	0.001 to 0.004%
titanium oxide	0.05 to 0.6%.

22. (Original) The glass of claim 13, wherein the glass has a %IR of no greater than 29%.

23. (Original) The glass of claim 13, wherein the glass has a %IR of no greater than 29% and a %TS of no greater than 49%.

24. (Original) The glass of claim 13, wherein the glass has a color characterized as follows when measured according to Ill. D65, 10 degree observer:

a*	from -4 to +1
b*	from -3 to +3
L*	from 80 to 95.

25. (Currently amended) Glass comprising:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.25 to 0.70 %
cerium oxide	0.01 to 1.0 %
selenium	0.00001 to 0.05%
cobalt oxide	0.0001 to 0.05%
titanium oxide	0 to 1.0%

wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.30, a visible

transmittance (Lta) of at least about 65%, a dominant wavelength in the range of from 435 nm to 570 nm, an IR transmittance (%IR) of no greater than 35%, and a UV transmittance (%UV) of no greater than 42% 40%, and wherein the glass is substantially free of nickel.

26. (Currently amended) The glass of claim 25, wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.34, a visible transmittance of at least about 70%, ~~and a UV transmittance (%UV) of no greater than 40%.~~

27. (Currently amended) The glass of claim 25, wherein the glass is substantially free of nickel and chromium.

28. (Original) The glass of claim 25, wherein the glass has a redox value (FeO/Fe<sub>2</sub>O<sub>3</sub>) of at least 0.38.

29. (Original) The glass of claim 25, wherein the glass has a total solar transmittance (%TS) of no greater than 50%.

30. (Original) The glass of claim 25, wherein a colorant portion of the glass consists essentially of:

total iron (expressed as Fe <sub>2</sub> O <sub>3</sub> )	0.3 to 0.6 %
cerium oxide	0.05 to 0.75 %
selenium	0.00005 to 0.005%
cobalt oxide	0.0005 to 0.01%
titanium oxide	0 to 0.75%
erbium oxide	0 to 0.3%.

31. (Original) The glass of claim 25, wherein the glass has a visible transmission Lta of at least about 70%.